

HEALTH SURVEY FILTER SAMPLES (RESULTS FROM LAB) (1962)

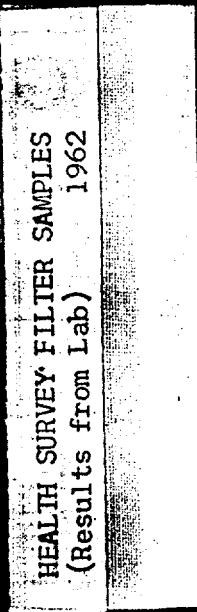
(From Box #8A-3-8-48)

Compiled by
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Environmental Management Division
OAK RIDGE K-25 SITE
for the Health Studies Agreement

April 1, 1995

Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7101
managed by MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the U.S. DEPARTMENT OF ENERGY
under Contract DE-AC05-84OR21400

This document has been approved for release
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Technical Information Officer
Oak Ridge K-25 Site
4/19/95



84-8-3-48 Box

1962 (Results may be)

+ results from F.I.T.S.
produced 12/14/62

Item #

Resultant filter paper samples
removed from 5 Environmental Monitors, 12-1-61.
TMB,
RADIOACTIVITY ANALYSIS REPORT

File No. K-1004-B-114, RC
Issued 12-6-61

Type of Sample Health Survey
30 min Filter Samples

TO: Mr. Becher

C/1M/FT3

Recorder

Results The limit of error at the 95%
certainty level has been esti-
0.46 mated from the precision of
control samples.

0.52

0.72. The alpha counting rates have
been corrected to 50% geometry
0.74 by comparison of results ob-
tained by counting unaltered
No. H.U. uranium with the published
alpha specific activity.

"

" 3. The beta counting rates have
been corrected to 100% geometry
by comparison of results ob-
tained by counting unaltered
0.55 uranium with the published
0.54 specific beta activity of
normal uranium.

No.	Sample Number	Alpha Cts/min.	Beta Cts/min.	Remarks	* C/AM Count
4	HPX-116A	1.9±	±	0.01 -	-
4	HPX-116B	5.0±	±	0.028 - 0.03	
1	HPX-117A	7.5±	±	0.042 - 0.06	
1	HPX-117B	7.0±	±	0.038 - 0.05	
5	HPX-118A	3.8±	±	0.021 - 0.04	
5	HPX-118B	5.7±	±	0.032 - 0.05	
3	HPX-119A	0.8±	±	0.004 -	-
3	HPX-119B	0.3±	±	0.001 -	-
2	HPX-120A	3.2±	±	0.018 - 0.04	
2	HPX-120B	2.8±	±	0.016 - 0.04	
		±	±		
		±	±		

* Counted on C/AM scaler in X-301-3

** Results of Scaler Counts on 30 min. register

1964 Nov 7 PM 2 : 55

Safety and Health
Physics

APPROVED: A. R. Flynn
by L. S. Ernest

<u>Sample No.</u>	<u>Location</u>	<u>Off area monitor Count</u>	<u>Laf. Count</u>	<u>C/m²</u>	<u>C.A.M.</u>	<u>K-3043</u>
116A	mt Pisgah Church	0.46	1.9	0.01		
116B	--	0.52	5.0	0.028	0.03	
117A	Melton Hill Dam	0.79	7.5	0.042	0.06	
117B	--	0.79	7.0	0.038	0.05	
118A	Credit Union	3.02 M.V.	3.8	0.021	0.04	
118B	--	--	5.7	0.032	0.05	
119A	Leisg Service St.	--	0.8	0.004		
119B	--	--	0.3	0.001		
120A	Lawnville	0.55	3.2	0.018	0.04	
120B	--	0.54	2.8	0.016	0.04	
	Total	3.65		0.16		
Thorn effect		X 23		4.4%		